

**AMENDMENTS TO THE CLAIMS**

The listing of claims provided below will replace all prior versions, and listings, of claims in the application.

**Listing of Claims**

1-64. (Canceled)

65. (New) An *in vitro* method for producing dendritic Langerhans type cells, said method comprising:

- a. culturing cells selected from the group consisting of peripheral blood monocytes and bone marrow cells from a mammalian species in a medium containing platelets obtained from the same species;
- b. incubating the culture at 30°C to 40°C for a period sufficient to enable formation of mature dendritic Langerhans type cells,
- c. performing a morphological analysis to demonstrate the presence of dendritic processes in cells of the culture; and
- d. performing flow cytometric analysis to demonstrate an immunophenotype of dendritic Langerhans type cells in cells of the culture.

66. (New) The method of claim 65 wherein the medium omits an exogenous cytokine.

67. (New) The method of claim 65 wherein the medium comprises RPMI-1640.

68. (New) The method of claim 65 wherein the cells are cultured for a period of 2 to 8 days.

69. (New) The method of claim 65 wherein the medium further comprises at least 2 percent fetal calf serum.

70. (New) The method of claim 65 wherein the mammalian species is human.

71. (New) An *in vitro* method for producing human dendritic Langerhans type cells, said method comprising:

a. culturing human peripheral blood monocytes in a medium containing human platelets;

b. incubating the culture at 30°C to 40°C for a period sufficient to enable formation of mature human dendritic Langerhans type cells,

c. performing a morphological analysis to demonstrate the presence of dendritic processes in cells of the culture; and

d. performing flow cytometric analysis to demonstrate an immunophenotype of human dendritic Langerhans type cells in cells of the culture.

72. (New) The method of claim 71 wherein the medium omits an exogenous cytokine.

73. (New) The method of claim 71 wherein the medium comprises RPMI-1640.

74. (New) The method of claim 71 wherein the cells are cultured for a period of 2 to 8 days.

75. (New) The method of claim 71 wherein the medium further comprises at least 2 percent fetal calf serum.

76. (New) An *in vitro* method for producing mouse dendritic Langerhans type cells, said method comprising:

a. culturing mouse cells selected from peripheral blood monocytes and bone marrow cells in a medium containing rat platelets;

b. incubating the culture at 30°C to 40°C for a period sufficient to enable formation of mature mouse dendritic Langerhans type cells, and

c. performing a morphological analysis to demonstrate the presence of dendritic processes in cells of the culture.

77. (New) The method of claim 76 wherein the medium omits an exogenous cytokine.

78. (New) The method of claim 76 wherein the medium comprises RPMI-1640.

79. (New) The method of claim 76 wherein the cells are cultured for a period of 2 to 8 days.

80. (New) The method of claim 76 wherein the medium further comprises at least 2 percent fetal calf serum.